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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) : Kew-Ho LEE, Yoon-Kyu LEE, Dong-Wook LEE,  
Bong-Kuk SEA

Serial No. 10/570,827

For TITANIA COMPOSITE MEMBRANE FOR  
WATER/ALCOHOL SEPARATION, AND  
PREPARATION THEREOF

Filed : Not Yet Assigned

Examiner : Not Yet Assigned

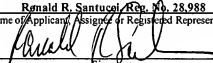
Art Unit : Not Yet Assigned

Confirmation No. : Not Yet Assigned

745 Fifth Avenue  
New York, NY 10151

I hereby certify that this correspondence is being deposited with  
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addressed to: Commissioner for Patents, P.O. Box 1450,  
Alexandria, VA 22313-1450, on June 12, 2006.

Ronald R. Santucci, Reg. No. 28,988  
(Name of Applicant, Assignee or Registered Representative)

  
Signature

June 12, 2006  
Date of Signature

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.97(B)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The Information Disclosure Statement submitted herewith is being filed within  
three months of the filing of a national application; within three months of the date of entry of  
the national stage as set forth in 37 CFR 1.491 in an international application; or before the

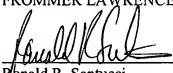
mailing date of a first Office Action on the merits, whichever event occurs last. No fee is required.


The filing of this Information Disclosure Statement is not an admission that the documents identified herein constitute prior art to the present application.

The Commissioner is authorized to charge any additional fee that may be required to Deposit Account No. 50-0320.

Respectfully submitted,  
FROMMER LAWRENCE & HAUG LLP

By:

  
\_\_\_\_\_  
Ronald R. Santucci  
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Based on Form PTO-1449 (3/90)		ATTY. DOCKET NO. <b>930086-2023</b>	SERIAL NO. <b>10/570,827</b>
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT <b>Kew-Ho LEE et al.</b>	
FILING DATE <b>Not Yet Assigned</b>		GROUP <b>Not Yet Assigned</b>	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/MA/	AA	4,929,406	05/29/1990	Abe et al.			
/MA/	AB	5,160,352	11/03/1992	Najjar et al.			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
/MA/	AL	JP 59-179112	10/11/1984	Japan (with English translation of Abstract)			X (of Abstract)	
/MA/	AM	JP 01-119324	05/11/1989	Japan (with English translation of Abstract)			X (of Abstract)	
/MA/	AN	KR 10-2004-0031177 A	04/13/2004	Korea (with English translation of Abstract)			X (of Abstract)	

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	Qunyun Xu and Marc A. Anderson, "Sol-Gel Route to Synthesis of Microporous Ceramic Membranes: Preparation and Characterization of Microporous TiO <sub>2</sub> and ZrO <sub>2</sub> Xerogels", <i>J. Am. Ceram. Soc.</i> 77 (71 pages 1939-45) (1994).
	AP	V. T. Zaspalis, W. Van Praag, K. Keizer, J.R.H. Ross, A.J. Burggraaf, "Synthesis and characterization of primary alumina, titania and binary membranes", <i>Journal of Materials Science</i> 27 (1992) (pages 1023-1035).
	AQ	Katsuki Kusakabe, Kiyosaka Ichiki, Jun-ichiro Hayashi, Hideaki Maeda, Shigeharu Morooka, "Preparation and characterization of silica-polyimide composite membranes coated on porous tubes for CO <sub>2</sub> separation", <i>Journal of Membrane Science</i> 115 (1996) pages 65-75.
	AR	Brinker and Scherer, "Sol-gel Science", <i>Academic Press</i> , 1990, page 273.
	AS	Burggraaf et al., <i>Proceedings of the Second International Conference on Inorganic Membrane</i> , 1991, page 37.
V	MA/	A.J. Burggraaf, K. Keizer, R.R. Bhaye, "2. Synthesis of Inorganic Membranes" <i>Synthesis of Inorganic Membranes</i> , (1991) page 11.
	AU	
	AV	

EXAMINER <b>/Maki Angadi/</b>	DATE CONSIDERED <b>02/26/2009</b>
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.